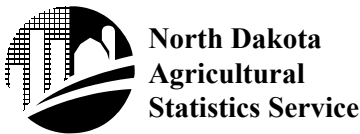


# NORTH DAKOTA CROP, LIVESTOCK & WEATHER REPORT



Released: September 2, 2003  
For Week Ending: August 31, 2003  
ND-CW3503

Cooperating With:  
NDSU EXTENSION SERVICE,  
FARM SERVICE AGENCY,  
ND AG WEATHER NETWORK (NDAWN) and  
UND AEROSPACE REGIONAL WEATHER  
INFORMATION CENTER

**General:** Small grain harvest neared completion last week, according to the North Dakota Agricultural Statistics Service. Hot, dry conditions early last week were followed by cooler temperatures and scattered showers in most areas of the state. However, late season and oilseed crops remain under stress and need more precipitation. A statewide average of 6.6 days were suitable for fieldwork. Statewide average topsoil moisture supplies on August 31 were rated 39 percent very short, 40 short, 21 adequate and 0 surplus compared to 13 percent very short, 27 short, 53 adequate and 7 surplus last year.

**Crops:** Late season and oilseed crops remain stressed due to hot, dry conditions. Corn crop condition ratings dropped to 46 percent good to excellent, down 14 percentage points from the previous week's rating. Soybeans, rated at 51 percent good to excellent, were down 6 points from the previous week. Sugarbeets, however, were unchanged and rated 80 percent good to excellent.

Harvest of small grains continue to be well ahead of last year and the five-year (1998-2002) average. As of August 31, 91 percent of the hard red spring wheat crop was harvested compared to 58 percent last year and the average of 73 percent. Durum wheat was 81 percent harvested compared to 25 percent last year and the average of 42 percent. Ninety-seven percent of the barley acres have been harvested compared to 68 percent last year and the average of 81 percent.

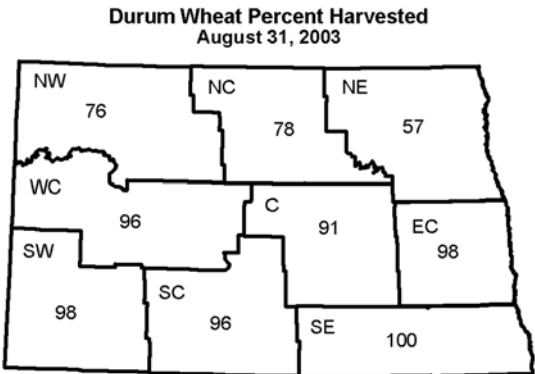
Sixty-three percent of the corn acreage was denting and beyond, compared to 39 percent last year and the average of 58 percent. Seventy-five percent of the canola was harvested compared to 35 percent last year and the average of 52 percent. Soybeans had 34 percent of the crop with lower leaves yellowing and beyond compared to 39 percent last year and the average of 37 percent. Forty-five percent of the potato vines were killed with 4 percent of the crop dug.

**Livestock:** Pasture condition ratings continue to decline due to the hot, dry conditions. Pasture conditions were rated 19 percent very poor, 30 poor, 34 fair, 17 good and 0 excellent. Stockwater supplies were rated 13 percent very short, 34 short, 53 adequate and 0 surplus compared to 19 percent very short, 22 short, 58 adequate and 1 surplus last year.

Crop Development Progress <sup>1/</sup> August 31, 2003 with Comparisons				
Crop	This Week	Last Week	Last Year	1998-02 Avg.
(Percent)				
BARLEY				
Combined	97	92	68	81
DURUM WHEAT				
Combined	81	51	25	42
HRS WHEAT				
Combined	91	80	58	73
OATS				
Combined	94	81	71	82
CANOLA				
Swathed	99	93	93	93
Combined	75	55	35	52
CORN				
Dough	95	79	95	96
Dented	63	24	39	58
Mature	5	2	2	7
CORN FOR SILAGE				
Chopped	26	9	8	5
DRY EDIBLE BEANS				
Fully Podded	91	82	92	93
Lower Leaves Yellowing	72	51	61	73
Mature Leaves Dropping	52	24	30	49
Cut and Beyond	12	NA	3	11
Combined	3	NA	2	4
FLAXSEED				
Combined	50	26	20	33
POTATOES				
Vines Killed	45	43	37	44
Dug	4	1	5	3
SOYBEANS				
Fully Podded	95	86	93	93
Lower Leaves Yellowing	34	17	39	37
Mature Leaves Dropping	10	3	4	7
SUNFLOWER				
Ray Flowers Dried/Dropped	77	48	64	64
Bracts Turned Yellow	32	6	20	24

<sup>1/</sup> Crop development percents represent all acreage in or beyond each stage. NA = Not Available

Crop and Pasture Condition Week Ending August 31, 2003					
Crop	Very Poor	Poor	Fair	Good	Excellent
(Percent)					
Corn, All	6	14	34	40	6
Dry Edible Beans	1	6	30	56	7
Flaxseed	1	5	27	54	13
Soybeans	4	13	32	44	7
Sugarbeets	1	2	17	72	8
Sunflowers	2	9	32	50	7
Pasture and Range	19	30	34	17	0



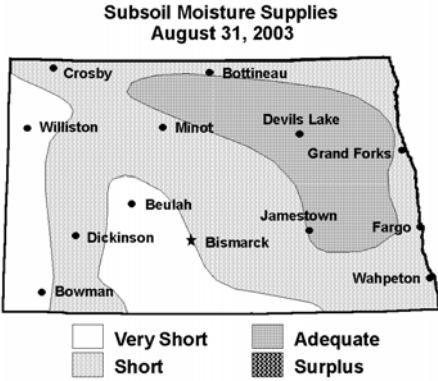
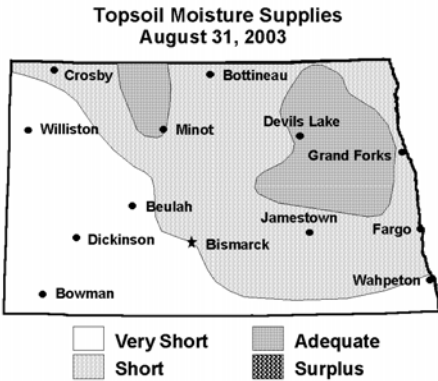
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NORTH DAKOTA CROP WEATHER REPORT, Week Ending August 31, 2003

Soil Moisture:

North Dakota, August 31, 2003

Date	V. Short	Short	Adq.	Surplus
(Percent)				
TOPSOIL				
This Week	39	40	21	0
Last Week	31	45	24	0
Last Year	13	27	53	7
98-02 Avg	10	25	59	6
SUBSOIL				
This Week	32	39	29	0
Last Week	25	42	32	1
Last Year	14	30	51	5
98-02 Avg	8	23	62	7



**Weather:** This past week started off with very hot temperatures and dry conditions. Much cooler temperatures moved in by midweek. There were large differences between highs and lows across the entire state. Typically, we see ranges of about 40 degrees, but with Hettinger reporting a high temperature of 100 degrees and a low temperature of 33 degrees, that is a spread of 67 degrees.

Along with the cooler air came some rain. Almost every site reported some amount of precipitation. The most notable though were Mohall with 0.77 of an inch, Baker with 0.56 of an inch, Cavalier with 0.61 of an inch, Langdon with 0.66 of an inch and Carrington with 0.85 of an inch of rain for the week.

**Outlook, September 1-8:** Cooler temperatures will prevail for the early part of the week along with little chance of measurable precipitation. Highs in the 70s and lows around 50 will be replaced by Friday when high temperatures across the state will reach into the 80s and remain there for the rest of the weekend. The weekend also holds a chance of scattered thunderstorms.

Temperature & Precipitation: Districts and Stations  
North Dakota, Week ending August 31, 2003

District Averages	Average Temperature		Seasonal Precipitation Beginning March 29		
	Past Week	Depart Normal	Past Week	Total	Depart Normal
(Degrees F) (Inches)					
Northwest (1)	66	2	0.29	7.70	-2.91
N. Central (2)	65	2	0.33	7.62	-4.53
Northeast (3)	65	1	0.44	9.89	-1.74
W. Central (4)	70	4	0.02	8.75	-2.78
Central (5)	68	2	0.30	12.30	0.19
E. Central (6)	68	2	0.12	11.16	-1.66
Southwest (7)	68	3	0.04	7.44	-3.62
S. Central (8)	70	3	0.25	9.45	-1.45
Southeast (9)	69	3	0.12	13.62	1.20

1/ Normal is the 1961-90 average. NA = Not Available.  
Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.

Temperature & Precipitation: Districts and Stations  
North Dakota, Week ending August 31, 2003

Stations by District	Temperature Past Week		Seasonal Precipitation Beginning March 29		
	High	Low	Past Week	Total	Depart Normal
(Degrees F) (Inches)					
(1) Bowbells	87	43	0.19	5.51	-5.07
Williston	88	45	0.02	7.61	-1.30
Mohall	87	45	0.77	9.85	-1.63
Minot	89	47	0.17	7.82	-3.64
(2) Baker	86	46	0.56	8.37	-5.22
Bottineau	89	37	0.07	6.46	-5.87
Towner	90	42	0.37	8.04	-2.50
(3) Cando	87	41	0.19	9.45	-1.73
Cavalier	89	42	0.61	9.99	-2.27
Forest River	88	44	0.40	9.63	-2.08
Grand Forks	85	46	0.28	11.26	-0.15
Langdon	86	43	0.66	9.45	-2.04
St. Thomas	87	44	0.49	9.55	-2.16
(4) Hazen	101	42	0.04	8.63	-3.42
Turtle Lake	94	46	0.01	10.22	-1.79
Watford City	94	45	0.00	7.39	-3.14
(5) Carrington	87	46	0.85	13.34	1.22
Harvey	86	48	0.35	13.90	1.75
Jamestown	94	46	0.10	13.52	1.53
Robinson	93	44	0.02	10.17	-1.53
Streeter	94	42	0.19	10.58	-2.02
(6) Dazey	92	43	0.12	10.15	-2.96
Fargo	90	46	0.17	11.13	-1.16
Hillsboro	90	44	0.07	12.20	-0.86
(7) Beach	100	40	0.00	9.51	-0.59
Bowman	97	37	0.00	5.92	-5.19
Dickinson	100	40	0.03	7.86	-3.39
Hettinger	100	33	0.14	6.47	-5.29
(8) Mandan	98	41	0.39	8.74	-1.73
Linton	99	43	0.10	10.15	-1.16
(9) Edgeley	95	47	0.18	13.33	0.73
Oakes	93	43	0.11	14.34	2.57
Wyndmere	93	44	0.07	13.19	0.31

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